## Flight

# Intermediate Jet FAM-19 Solo

## Mission

**Familiarize the student with normal and emergency procedures in the aircraft with emphasis on system operations, flight characteristics, and landing techniques.**

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# ORM

- **Operational Requirements / Limitations**
  - **Crew Rest / Crew Day / Work Week**
  - **R&I**
  - **IP Currency (SOP)**
  - **Warm Up Eligibility**
  - **Previous Flight Incomplete? Determine Graded Items.**
  - **On-Wing Required/MCG Notes?**
- **Human Factors**
  - **Life Stressors / External Factors / Personal Problems**
  - **Medical Status (Rest / Nourishment / Hydration)**
- **Hazards and Controls**
  - **Routine**
  - **Weather**
    - **Current Observations and Forecasts**
    - **Crosswinds**
    - **Fuel Considerations**
  - **Mission Specific**

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# TTO

- **Who will call a TTO?**
- **What situations will the TTO be called?**
  - **Safety**
  - **Confusion / Misunderstanding**
- **IP Responsibilities**
  - **Recognize need for TTO**
  - **Explanation / Instruction as necessary**
  - **Documentation on ATF**
- **When and how will training resume?**

# ADMIN

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- **QOD**
  - NATOPS
  - EP
  - SOP

- **BRIEF**
  - Solo brief
  - Lost aircraft situations

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# ADMIN (card)

- A/C - ATC C/S - Crew
- Brief / Walk / Marshal / Takeoff / Land Times
- ATC Clearance / IFF
- Area 1
- Area 4
- Line / T/O / Abort / RPM
- Comm Plan
- Nav Plan
- Joker / Bingo

# ADMIN

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- **Launch**
  - **Weather / NOTAMS / TFR / BASH**
  - **Preflight / Start / Marshal / Taxi**
  - **T/O**
  - **Transit**
  - **RadAlt Usage**
- **RTB**
  - **Recovery**
  - **Diverts**
    - **Area 1,2,3**
    - **Meridian West**
    - **Birmingham MOA**
    - **Pine Hills MOA**

# Conduct

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**Practice:**

- **Power off stall**
- **Landing attitude maneuver**
- **Landing attitude stall**
- **Wingover**
- **Barrel roll**
- **Squirrel cage**
- **Overhead pattern entry (break)**
- **VFR landing pattern**
- **Touch-and-go, full flaps/slats (6 desired)**
- **Abeam PA (Wx permitting)**

**NOTES: (1) Only “Headwork” will be graded by a qualified instructor.**

**(2) Intentional spins, accelerated stalls, unusual attitudes, approach turn stalls, and vertical recoveries are prohibited maneuvers for solo students.**

# Emergencies

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- **Ground Emergencies**
- **Abort**
- **Rwy Dep / Gnd Ejection**
- **Radio/ICS failure**
- **Loss of Navaids**
- **Lost Plane**
- **System Failures**
- **Disorientation**
- **Bird strike/ Midair**
- **SAR  procedures**
- **Ejection**
- **Aircrew Coordination**

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# Recap

- **Overall Flow**
- **Questions**

# STANDARD DEBRIEFING FORMAT

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- The Flight Lead or Pilot-in-Command is responsible for ensuring all flight or crewmembers are thoroughly debriefed on the conduct of the mission utilizing the “S-P-B-E-MS-LL” format outlined below. (Refer to the CTW-1/CTW-2 Expanding Debriefing Guide for specific objectives).

I. Safety
II. Planning
III. Brief
IV. Execution
V. Mission Success
VI. Lessons Learned